

# Double Pitch Roller Chain Sprockets

## 2040 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock)	(Max.)	Hub(Dia.)	(LTB)
2040B11	11	1.85"	2.00"	1/2"	13/16"	1-3/8"*	7/8"
2040B12	12	2.00"	2.17"	1/2"	13/16"	1-9/16"*	7/8"
2040B13	13	2.15"	2.33"	1/2"	21/32"	1-9/16"	7/8"
2040B14	14	2.31"	2.49"	1/2"	1-1/32"	1-11/16"*	7/8"
2040B15	15	2.46"	2.65"	1/2"	1-7/32"	1-23/32"	7/8"
2040B16	16	2.61"	2.81"	1/2"	1-9/32"	1-7/8"	7/8"
2040B17	17	2.77"	2.98"	1/2"	1-5/16"	2-3/64"	1"
2040B18	18	2.92"	3.14"	1/2"	1-15/32"	2-7/32"	1"
2040B19	19	3.08"	3.30"	1/2"	1-5/8"	2-3/8"	1"
2040B20	20	3.24"	3.46"	1/2"	1-25/32"	2-35/64"	1"
2040B21	21	3.39"	3.62"	1/2"	1-7/8"	2-45/64"	1"
2040B22	22	3.55"	3.78"	1/2"	1-7/8"	2-45/64"	1"
2040B23	23	3.71"	3.94"	1/2"	2-1/4"	3"	1"
2040B24	24	3.86"	4.10"	1/2"	2-1/4"	3-1/4"	1"
2040B25	25	4.02"	4.26"	1/2"	2-1/4"	3-1/4"	1"
2040B26	26	4.18"	4.42"	1/2"	2-1/4"	3-1/4"	1"
2040B28	28	4.49"	4.74"	1/2"	2-1/4"	3-1/4"	1"
2040B30	30	4.81"	5.06"	1/2"	2-1/4"	3-1/4"	1"

**NOTE!**  
1" Pitch

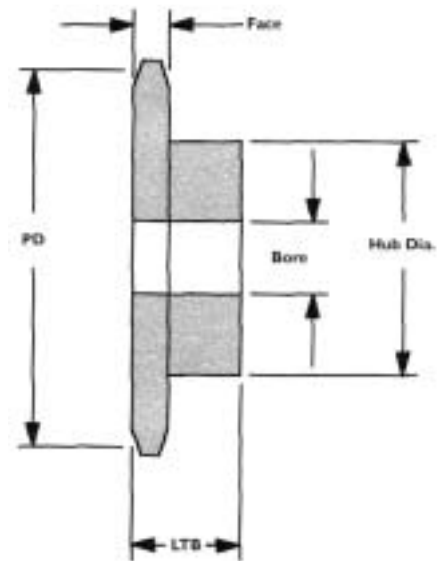
Power Plastics manufactures sprockets for double pitch roller chain. Double pitch sprockets are very similar to standard pitch sprockets but the chain only engages in every other tooth. In sprockets that have an odd number of teeth, the chain will make contact with a tooth on every other rotation thereby increasing the life expectancy of the sprocket.

Standard material used for double pitch sprockets is UHMW-PE because of the excellent flexural modulus properties. Although other materials such as nylon or acetal can be used. For design assistance in choosing the correct material for your application, just call Power Plastics.

## 2042 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock)	(Max.)	Hub(Dia.)	(LTB)
2042B08	8	2.61"	3.01"	1/2"	1-9/32"	1-7/8"	7/8"
2042B09	9	2.92"	3.35"	1/2"	1-15/32"	2-7/32"	7/8"
2042B10	10	3.24"	3.68"	1/2"	1-3/4"	2-35/65"	1"
2042B11	11	3.55"	4.00"	1/2"	1-7/8"	2-5/8"	1"
2042B12	12	3.86"	4.33"	1/2"	2-1/4"	3-1/16"	1"
2042B13	13	4.18"	4.66"	1/2"	2-1/4"	3-1/4"	1"
2042B14	14	4.49"	4.98"	1/2"	2-1/4"	3-1/4"	1"
2042B15	15	4.81"	5.30"	1/2"	2-1/4"	3-1/4"	1"
2042B16	16	5.13"	5.63"	1/2"	2-1/4"	3-1/4"	1"
2042B17	17	5.44"	5.95"	1/2"	2-1/4"	3-1/4"	1"
2042B18	18	5.76"	6.27"	1/2"	2-1/4"	3-1/4"	1"
2042B19	19	6.08"	6.59"	1/2"	2-1/4"	3-1/4"	1"
2042B20	20	6.39"	6.91"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B21	21	6.71"	7.24"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B22	22	7.03"	7.56"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B23	23	7.34"	7.88"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B24	24	7.66"	8.20"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B25	25	7.98"	8.52"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B26	26	8.30"	8.84"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B28	28	8.93"	9.48"	1/2"	2-3/8"	3-1/2"	1-1/8"
2042B30	30	9.57"	10.11"	1/2"	2-3/8"	3-1/2"	1-1/8"

**NOTE!**  
1" Pitch



# Double Pitch Roller Chain Sprockets

## 2050 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock) (Max.)	Hub(Dia.) (LTB)
2050B11	11	2.315"	2.500"	1/2" 13/16"	1-3/16"
2050B12	12	2.500"	2.710"	1/2" 1"	1-63/64"
2050B13	13	2.690"	2.910"	1/2" 1-7/32"	1-23/32"
2050B14	14	2.811"	3.110"	1/2" 1-9/32"	1-15/16"
2050B15	15	3.073"	3.320"	1/2" 1-13/32"	2-5/32"
2050B16	16	3.266"	3.520"	1/2" 1-19/32"	2-23/64"
2050B17	17	3.460"	3.720"	1/2" 1-3/4"	2-9/16"
2050B18	18	3.655"	3.920"	1/2" 1-25/32"	2-25/32"
2050B19	19	3.850"	4.120"	1/2" 1-31/32"	2-63/64"
2050B20	20	4.045"	4.320"	1/2" 2"	3"
2050B21	21	4.241"	4.520"	1/2" 2"	3"
2050B22	22	4.437"	4.720"	1/2" 2"	3"
2050B23	23	4.633"	4.920"	1/2" 2"	3"
2050B24	24	4.830"	5.120"	1/2" 2"	3-1/4" 1-1/4"
2050B25	25	5.026"	5.320"	1/2" 2"	3-1/4" 1-1/4"
2050B26	26	5.223"	5.520"	1/2" 2"	3-1/4" 1-1/4"
2050B28	28	5.617"	5.920"	1/2" 2"	3-1/4" 1-1/4"
2050B30	30	6.012"	6.320"	1/2" 2-1/4"	3-1/4" 1-1/4"

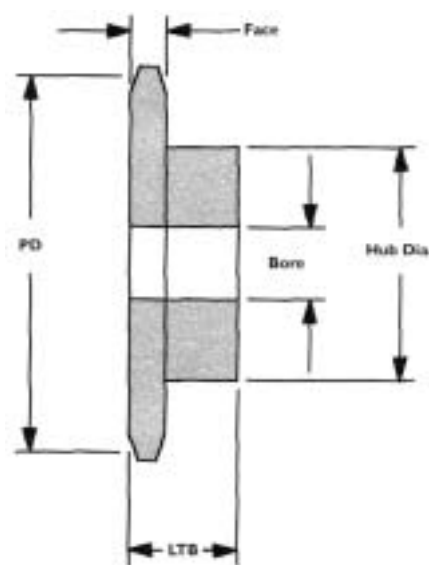
**NOTE!**  
1-1/4" Pitch

Power Plastics manufactures double pitch sprockets from UHMW-PE. Shown in the catalog are standard sizes, but any configuration is possible from large hubs, to sprockets without hubs. To order A plate sprockets or a C hub; just replace the "B" to an "A" or "C".

## 2052 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock) (Max.)	Hub(Dia.) (LTB)
2052B08	8	3.266"	3.770"	1/2" 1-9/32"	2-23/64"
2052B09	9	3.655"	4.190"	1/2" 1-25/32"	2-25/32"
2052B10	10	4.045"	4.600"	1/2" 2"	3"
2052B11	11	4.437"	5.010"	1/2" 2"	3"
2052B12	12	4.830"	5.420"	1/2" 2"	3" 1-1/4"
2052B13	13	5.223"	5.820"	1/2" 2"	3" 1-1/4"
2052B14	14	5.617"	6.230"	1/2" 2"	3" 1-1/4"
2052B15	15	6.012"	6.630"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B16	16	6.407"	7.030"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B17	17	6.803"	7.440"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B18	18	7.198"	7.840"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B19	19	7.595"	8.240"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B20	20	7.991"	8.640"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B21	21	8.387"	9.040"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B22	22	8.783"	9.440"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B23	23	9.180"	9.850"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B24	24	9.577"	10.250"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B25	25	9.973"	10.650"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B26	26	10.370"	11.050"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B28	28	11.164"	11.840"	1/2" 2-1/4"	3-1/4" 1-1/4"
2052B30	30	11.958"	12.640"	1/2" 2-1/4"	3-1/4" 1-1/4"

**NOTE!**  
1-1/4" Pitch



# Double Pitch Roller Chain Sprockets

## 2060 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock) (Max.)	Hub(Dia.) (LTB)
2060B11	11	2.773"	3.000"	1/2" 1"	2-1/16" 1-1/4"
2060B12	12	3.000"	3.250"	1/2" 1-1/4"	2-3/8" 1-1/4"
2060B13	13	3.228"	3.490"	1/2" 1-5/16"	2-5/64" 1-1/4"
2060B14	14	3.457"	3.740"	1/2" 1-9/16"	2-21/64" 1-1/4"
2060B15	15	3.688"	3.980"	1/2" 1-3/4"	2-19/32" 1-1/4"
2060B16	16	3.920"	4.220"	1/2" 1-27/32"	2-27/32" 1-1/4"
2060B17	17	4.152"	4.460"	1/2" 2-3/32"	3-3/32" 1-1/4"
2060B18	18	4.386"	4.700"	1/2" 2-9/32"	3-11/32" 1-1/4"
2060B19	19	4.620"	4.940"	1/2" 2-11/32"	3-1/2" 1-1/4"
2060B20	20	4.854"	5.190"	1/2" 2-9/16"	3-7/8" 1-1/4"
2060B21	21	5.089"	5.430"	1/2" 2-3/4"	4" 1-1/4"
2060B22	22	5.324"	5.670"	1/2" 2-3/4"	4" 1-1/4"
2060B23	23	5.560"	5.910"	1/2" 2-3/4"	4" 1-1/4"
2060B24	24	5.796"	6.150"	1/2" 2-3/4"	4" 1-1/4"
2060B25	25	6.032"	6.390"	1/2" 2-3/4"	4" 1-1/4"
2060B26	26	6.268"	6.630"	1/2" 2-3/4"	4" 1-1/4"
2060B28	28	6.741"	7.110"	1/2" 2-3/4"	4" 1-1/4"
2060B30	30	7.215"	7.590"	1/2" 2-3/4"	4" 1-1/4"

**NOTE!**  
1-1/2" Pitch

Power Plastics manufactures sprockets for double pitch roller chain. Double pitch sprockets are very similar to standard pitch sprockets but the chain only engages in every other tooth. In sprockets that have an odd number of teeth, the chain will make contact with a tooth on every other rotation thereby increasing the life expectancy of the sprocket.

Standard material used for double pitch sprockets is UHMW-PE because of the excellent flexural modulus properties. Although other materials such as nylon or acetal can be used. For design assistance in choosing the correct material for your application, just call Power Plastics.

## 2062 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock) (Max.)	Hub(Dia.) (LTB)
2062B08	8	3.920"	4.520"	1/2" 1-27/32"	2-27/32" 1-1/4"
2062B09	9	4.386"	5.020"	1/2" 2-9/32"	3-11/32" 1-1/4"
2062B10	10	4.854"	5.520"	1/2" 2-9/16"	3-53/64" 1-1/4"
2062B11	11	5.324"	6.010"	1/2" 2-3/4"	4" 1-1/4"
2062B12	12	5.796"	6.500"	1/2" 2-3/4"	4" 1-1/4"
2062B13	13	6.268"	6.990"	1/2" 2-3/4"	4" 1-1/4"
2062B14	14	6.741"	7.470"	1/2" 2-3/4"	4" 1-1/4"
2062B15	15	7.215"	7.960"	1/2" 2-3/4"	4" 1-1/4"
2062B16	16	7.689"	8.440"	1/2" 2-3/4"	4" 1-1/4"
2062B17	17	8.163"	8.920"	1/2" 2-3/4"	4" 1-1/4"
2062B18	18	8.638"	9.410"	1/2" 2-3/4"	4" 1-1/4"
2062B19	19	9.113"	9.890"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B20	20	9.589"	10.370"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B21	21	10.064"	10.850"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B22	22	10.540"	11.330"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B23	23	11.016"	11.810"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B24	24	11.492"	12.290"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B25	25	11.968"	12.770"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B26	26	12.444"	13.250"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B28	28	13.397"	14.210"	1/2" 2-3/4"	4-1/4" 1-1/4"
2062B30	30	14.350"	15.170"	1/2" 2-3/4"	4-1/4" 1-1/4"

**NOTE!**  
1-1/2" Pitch

Power Plastics offers design assistance to determine which material to use in application. Polymer type sprockets are used in industries from food processing to waste water and from the medical industry to wood processing plants.

Benefits include:

- Reduce sound levels
- Electrical Properties: Arc Track Resistance
- Weather resistance
- Chemical Resistance
- Reduced Weight
- FDA/USDA Compliant
- No lubrication necessary

# Double Pitch Roller Chain Sprockets

## 2080 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock)	(Max.)	Hub(Dia.)	(LTB)
2080B11	11	3.694"	4.010"	1/2"	1-1/2"	2-13/26"*	1-5/8"
2080B12	12	4.000"	4.330"	1/2"	1-11/16"	3-1/8"*	1-5/8"
2080B13	13	4.304"	4.660"	1/22"	1-25/32"	2-3/4"	1-1/2"
2080B14	14	4.610"	4.980"	1/5"	2-1/8"	3-1/8"	1-1/2"
2080B15	15	4.917"	5.300"	1/2"	2-9/32"	3-7/16"	1-1/2"
2080B16	16	5.226"	5.630"	1/2"	2-17/32"	3-3/4"	1-1/2"
2080B17	17	5.536"	5.950"	1/2"	2-3/4"	4"	1-1/2"
2080B18	18	5.848"	6.270"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B19	19	6.160"	6.590"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B20	20	6.472"	6.910"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B21	21	6.785"	7.230"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B22	22	7.099"	7.560"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B23	23	7.413"	7.880"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B24	24	7.727"	8.200"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B25	25	8.042"	8.520"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B26	26	8.357"	8.840"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B28	28	8.988"	9.480"	1/2"	2-3/4"	4-1/4"	1-1/2"
2080B30	30	9.620"	10.110"	1/2"	2-3/4"	4-1/4"	1-1/2"

**NOTE!**  
2" Pitch

Power Plastics manufactures sprockets for double pitch roller chain. Double pitch sprockets are very similar to standard pitch sprockets but the chain only engages in every other tooth. In sprockets that have an odd number of teeth, the chain will make contact with a tooth on every other rotation thereby increasing the life expectancy of the sprocket.

Standard material used for double pitch sprockets is UHMW-PE because of the excellent flexural modulus properties. Although other materials such as nylon or acetal can be used. For design assistance in choosing the correct material for your application, just call Power Plastics.

## 2082 Double Pitch Sprockets

P/N	Teeth	Pitch Dia.	Outside Dia.	Bore(Stock)	(Max.)	Hub(Dia.)	(LTB)
2082B08	8	5.226"	6.030"	1/2"	2-17/32"	3-3/4"	1-3/4"
2082B09	9	5.848"	6.700"	1/2"	2-3/4"	4-1/4"	1-3/4"
2082B10	10	6.472"	7.360"	1/2"	2-3/4"	4-1/4"	1-3/4"
2082B11	11	7.099"	8.010"	1/2"	2-3/4"	4-1/4"	1-3/4"
2082B12	12	7.727"	8.660"	1/2"	2-3/4"	4-1/4"	1-3/4"
2082B13	13	8.357"	9.310"	1/2"	3-1/4"	4-3/4"	2"
2082B14	14	8.988"	9.960"	1/2"	3-1/4"	4-3/4"	2"
2082B15	15	9.620"	10.610"	1/2"	3-1/4"	4-3/4"	2"
2082B16	16	10.252"	11.250"	1/2"	3-1/4"	4-3/4"	2"
2082B17	17	10.885"	11.900"	1/2"	3-1/4"	4-3/4"	2"
2082B18	18	11.518"	12.540"	1/2"	3-1/4"	4-3/4"	2"
2082B19	19	12.151"	13.190"	1/2"	3-1/4"	4-3/4"	2"
2082B20	20	12.785"	13.830"	1/2"	3-1/4"	4-3/4"	2"
2082B21	21	13.419"	14.470"	1/2"	3-1/4"	4-3/4"	2"
2082B22	22	14.053"	15.110"	1/2"	3-1/4"	4-3/4"	2"
2082B23	23	14.688"	15.750"	1/2"	3-1/4"	4-3/4"	2"
2082B24	24	15.323"	16.390"	1/2"	3-1/4"	4-3/4"	2"
2082B25	25	15.985"	17.030"	1/2"	3-1/4"	4-3/4"	2"
2082B26	26	16.593"	17.670"	1/2"	3-1/2"	5-1/4"	2"
2082B28	28	17.863"	18.950"	1/2"	3-1/2"	5-1/4"	2"
2082B30	30	19.134"	20.230"	1/2"	3-1/2"	5-1/4"	2"

**NOTE!**  
2" Pitch

